

CCR Rule Semi-Annual Remedy Selection Progress Report

Bremo Power Station – East Pond Bremo Bluff, Virginia February 28, 2021

Title 40 Code of Federal Regulations (CFR) Section 257.97(a) of the Coal Combustion Residuals (CCR) Rule requires the owner or operator of a CCR unit that has completed a corrective measures assessment for groundwater to prepare a semi-annual report describing the progress in selecting and designing the remedy. This report constitutes the first semi-annual remedy selection progress report for Bremo Power Station East Pond located in Bremo Bluff, Virginia.

A corrective measures assessment was initiated for the East Pond on April 4, 2020, in response to groundwater protection standard exceedances in one or more downgradient groundwater monitoring wells. Pursuant to 40 CFR §257.96, an Assessment of Corrective Measures (ACM) Report was completed and placed in the unit's operating record on September 1, 2020. Based on the results of the corrective measures assessment, Dominion Energy must, as soon as feasible, select a remedy that meets the standards listed in 40 CFR §257.97(b). A summary of the progress selecting a remedy is provided in the selections below.

Summary of Actions Completed to Date

The following interim measures and actions have been completed to date:

- The East Pond was closed by removal with an over excavation of an additional six inches, as confirmed by the Virginia Department of Environmental Quality (DEQ) in October 2019;
- The DEQ issued Solid Waste Facility Permit No. 618, which includes requirements for groundwater and surface water monitoring for the East Pond. The solid waste permit requires additional monitoring beyond the requirements of the CCR Rule including monitoring of additional constituents in groundwater and the monitoring of surface water downgradient of the unit. The additional monitoring requirements will further refine the nature and extent of groundwater impacts;
- The East Pond was reconstructed as a stormwater sedimentation pond and an internal well required under the solid waste permit was installed in February 2020;
- In March 2020, the DEQ approved Groundwater Protection Standards (GPS) for CCR Rule Appendix IV and additional constituents at the East Pond under the solid waste permit. Therefore, semi-annual groundwater monitoring data is now also compared to the DEQ approved GPS. In 2020, concentrations of boron, cobalt, lithium, and molybdenum were detected at concentrations above GPS; and
- Awarded a contract for consultant engineers to conduct studies of the geochemical environment and natural recovery capacities of the uppermost aquifer beneath the ponds.

Planned Activities

The following activities are planned:

- Continue evaluation of groundwater and soil characteristics in and around the East Pond to enhance conceptual site model;
- Schedule a public meeting in accordance with solid waste permit and CCR Rule to discuss the results of the corrective measures assessment; and
- The next semi-annual progress report will be completed no later than August 27, 2021.